Dysphagia

An International Multidisciplinary Journal
Devoted to Swallowing and Its Disorders

Volume 15 2000

Editor-in-Chief

Bronwyn Jones, F.R.A.C.P., F.R.C.R.
Baltimore, MD
Radiology

Founding Editor

Martin W. Donner, M.D., F.R.C.R.

Editorial Advisory Board

Joan C. Arvedson, Ph.D.
Buffalo, NY
Speech-Language Pathology

Detlef Bieger, M.D.
St. John's, Newfoundland, Canada
Neuropharmacology

James F. Bosma, M.D.
Baltimore, MD
Pediatrics

Daniel Brasnu, M.D.
Paris, France
Otolaryngology

James G. Brasseur, Ph.D.
University Park, PA
Mechanical Engineering and Bioengineering

David W. Buchholz, M.D.
Lutherville, MD
Neurology

Rochelle Bukatman, M.S.O.T., O.T.R.
Teaneck, NJ
Occupational Therapy

Sidney Cohen, M.D.
Philadelphia, PA
Gastroenterology

Ian Cook, F.R.A.C.P.
Sydney, New South Wales, Australia
Gastroenterology

Jean Curran, M.S., R.D.
Bronx, NY
Nutrition

David J. Curtis, M.D.
Durham, NC
Radiology

Marinos C. Dalakas, M.D.
Bethesda, MD
Neurology

Tom R. DeMeester, M.D.
Los Angeles, CA
General and Thoracic Surgery

Associate Editors

Donald O. Castell, M.D.
Philadelphia, PA
Gastroenterology

Olle Ekberg, M.D.
Malmö, Sweden
Radiology

Nick E. Diamant, M.D., F.R.C.P.
Toronto, Ontario, Canada
Gastroenterology

Thomas R. Hendrix, M.D.
Baltimore, MD
Gastroenterology

Karen M. Hiiemae, Ph.D., D.D.S. (Lond).
Fayetteville, NY
Oral Biology, Bioengineering and Neuroscience

André Jean, Ph.D.
Marseilles, France
Physiology and Neurophysiology

Marion Kagel, M.A., CCC, SLP/L
Wilmington, DE
Speech-Language Pathology

Peter J. Kahrilas, M.D.
Chicago, IL
Gastroenterology

Yoshihiro Kaneko, D.D.S., Ph.D.
Tokyo, Japan
Dentistry

Haskins K. Kashima, M.D.
Baltimore, MD
Otolaryngology, Head and Neck Surgery

David J. Kenny, D.D.S., Ph.D.
Toronto, Ontario, Canada
Dentistry

Sandra S. Kramer, M.D.
Philadephia, PA
Radiology

Steven B. Leder, Ph.D.
New Haven, CT
Speech-Language Pathology

Benson Massey, M.D.
Milwaukee, WI
Gastroenterology

Michael E. Groher, Ph.D.
Gainesville, FL
Speech-Language Pathology

Jeri A. Logemann, Ph.D.
Evanston, IL
Speech-Language Pathology

Fred M.S. McConnel, M.D.
Atlanta, GA
Otolaryngology, Head and Neck Surgery

Arthur Miller, Ph.D.
San Francisco, CA
Physiology

Robert M. Miller, Ph.D.
Seattle, WA
Speech-Language Pathology

David J. Ott, M.D.
Winston-Salem, NC
Radiology

Jeffrey B. Palmer, M.D.
Baltimore, MD
Physical Medicine and Rehabilitation

Adrienne L. Perlman, Ph.D.
Urbana-Champaign, IL
Speech Science

William J. Ravich, M.D.
Baltimore, MD
Gastroenterology

JoAnne Robbins, Ph.D.
Madison, WI
Gerontology and Speech Language Pathology

Clarence T. Sasaki, M.D.
New Haven, CT
Otolaryngology

Barry J. Sessle,
B.D.S., M.D.S., B.Sc., Ph.D.
Toronto, Ontario, Canada
Dentistry

Reza Shaker, M.D.
Milwaukee, WI
Gastroenterology

Barbara C. Sonies, Ph.D.
Bethesda, MD
Speech-Language Pathology

Journal Coordinator:

Nelson Cammack

Springer

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions, also in microform, is transferred to the publisher.

The use of registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Printed in the United States of America

© 2000 by Springer-Verlag New York Inc.

Author/Title Index to Volume 15

(A) = Abstract, (BR) = Book Review, (E) = Editorial, (L) = Letter, (MR) = Meeting Report, (S) = Summary

Abadilla, E., *see* Chaudhuri, G. et al. (A) 106
Abraham, S., Wolf, E.: Swallowing Physiology of Toddlers with Long-Term Tracheostomies: A Preliminary Study 206
Ålander, A., *see* Wertsén, M. (A) 243
Albertson, D.A., *see* Smith, D.F. et al. 176
Aliga, N., *see* Chaudhuri, G. et al. (A) 106
Alphonce, E., *see* Gisel, E .G. et al. (A) 112
Alphonce, E., *see* Gisel, E.G., et al. 236
Amano, H., *see* Sato, M. et al. (A) 243
André, J., *see* Williams, R.B. et al. (A) 109
Angmar-Månsson, B., *see* Öhrn, R. (A) 245
Arita, S., *see* Murakami, T. et al. (A) 244
Arvedson, J.C.: Regarding "Effects of Consistent Food Presentation on Oral-Motor Skill Acquisition in Children with Severe Neurological Impairment" (*Dysphagia 15:*213–223, 2000) (E) 224
Asari, J., Inoue, M., Ochiai, J., Mukai, Y., Sasa, R.: Food Property Characteristics of Commercial Thickeners for Dysphagia—New Approach by Using Original Plunger and Cup for Infants (A) 245
Ashford, J.R., *see* McCullough, G.H. et al. 58
Ask, P., *see* Danbolt, C. et al. 191
Aviv, J.E., Kaplan, S.T., Thomson, J.E., Spitzer, J., Diamond, B., Close, L.G.: The Safety of Flexible Endoscopic Evaluation of Swallowing with Sensory Testing (FEESST): An Analysis of 500 Consecutive Evaluations 39
Bailey, B., *see* Guthrie, A. et al. (A) 110
Ballou Stahlman, L., Mertz Garcia, J., Hakel, M., Chambers, E. IV: Comparison Ratings of Pureed versus Molded Fruits: Preliminary Results 2
Bammer, T., Salassa, J.R., Shahriari, A.: Chricopharyngeus Intra Bolus Pressure in Normal Patients; A Comparative Study (A) 113
Barberio, O., *see* Guida, M. et al. (A) 245
Barkmeier, J., *see* Perlman, A.L. et al. 89
Barnes, C.L., *see* Daniels, S.K. et al. (A) 107
Barron, J.L., *see* Chen, Y. et al. (A) 108
Becker, A., *see* Shapira, J. et al. (A) 244
Bowen, A., *see* Parker, C. et al. (A) 105
Brady, S., *see* Chaudhuri, G. et al. (A) 106
Brasseur, J.G.: The Eighth Annual Meeting of the Dysphagia Research Society (MR) 99
Bricker, D.E., *see* McHorney, C.A. et al. 122
Bricker, D.E., *see* McHorney, C.A. et al. 115
Broniatowski, M., Dessoffy, R., Shields, R.W., Strome, M.: Vagal Stimulation for Reciprocal Coupling between Glottic and Upper Esophageal Sphincter Activities in the Canine 196
Buchholz, D.W., Neumann, S.: Comments on Selected Recent Dysphagia Literature (S) 184
Buchholz, D.W., Neumann, S.: Comments on Selected Recent Dysphagia Literature (S) 237
Bülow, M., Olsson, R., Ekberg, O.: Videomanometric Analysis of Supraglottic Swallow, Effortful Swallow and Chin Tuck in Patients with Pharyngeal Dysfunction (A) 110
Burrell, M.I., *see* Leder, S.B. et al. (L) 183
Campbell, A.M., *see* Sellars, C. et al. 212
Cannito, M.P., *see* Huckabee, M.L. et al. (A) 102
Carrau, R.L., *see* Murry, T. et al. (A) 112
Chambers, E. IV, *see* Ballou Stahlman, L. et al. 2
Chang, M.W., Lin, E., Hwang, J.-N.: Contour Tracking Using a Knowledge-Based Snake Algorithm to Construct Three-Dimensional Pharyngeal Bolus Movement 219
Chaudhuri, G., Hildner, C., Brady, S., Hutchins, B., Abadilla, E., Aliga, N.: Cardiovascular Effects of the Supraglottic Swallowing Procedure in Stroke Patients with Dysphagia (A) 106
Chaudhuri, G., *see* Hutchins, B. et al. (A) 111
Chen, M.Y.M., *see* Smith, D.F. et al. 176
Chen, Y., Barron, J.L., Taves, D.H., Martin, R.E.: Computer Measurement of Oral Movement (A) 108
Chi-Fishman, G., *see* Frattali, C.M. et al. 165
Chi-Fishman, G., Sonies, B.C., Makhlouf, F.T.: Principal Component Analysis of Submental Surface EMG Waveforms for Sequential and Discrete Swallows (A) 104
Chi-Fishman, G., Sonies, B.C., Ohazama, C.J., Freidlin, R.Z.: Real-Time 3-D Ultrasound Imaging of Lingual Action during Swallowing (A) 106
Chignell, K.A., *see* McHorney, C.A. et al. 115
Chignell, K.A., *see* McHorney, C.A. et al. 122
Chinushi, N., *see* Fujimoto, M. et al. (A) 243
Cichero, J.A.Y., Jackson, O., Halley, P.J., Murdoch, B.E.: How Thick is Thick? Multicenter Study of the Rheological and Material Property Characteristics of Mealtime Fluids and Videofluoroscopy Fluids 188
Clarke, C., *see* McHorney, C.A. et al. 115
Clarke, D., *see* Gisel, E.G. et al. 226
Close, L.G., *see* Aviv, J.E. et al. 39
Colangelo, L., *see* Veis, S. et al. 142
Colodny, N.: Comparison of Dysphagics and Nondysphagics on Pulse Oximetry during Oral Feeding ... 68
Cook, I.J., *see* Williams, R.B. et al. (A) 109
Coovadia, F., *see* Hodgson, S. et al. (A) 107
Cornwell, M., *see* Martin-Harris, B. et al. (A) 107
Coyle, J., *see* Robbins, J. et al. 228
Crawford, T.O., *see* Lefton-Greif, M.A. et al. (A) 112
Cui, Y., Urschel, J.D., Petrelli, N.J.: The Effect of Pyloric Drainage on Esophagogastric Anastomotic Wound Healing in Rats (A) 113
Danbolt, C., Hult, P., Grahn, L.T., Ask, P.: Validation and Characterization of the Computerized Laryngeal Analyzer (CLA) Technique 191
Daniels, S.K., Barnes, C.L., Faucheux, N.M., Mahoney, M.C., Preistly, D.H., Foundas, A.L.: Hemispheric Asymmetry and Swallowing Using a Dual Task Paradigm (A) 107
Daniels, S.K., Foundas, A.L.: Swallowing Physiology of Sequential Straw Drinking (A) 104
Daniels, S.K.: Swallowing Apraxia: A Disorder of the Praxis System? 159
Danter, M.R., *see* Hodgson, S. et al. (A) 107
Daubert, C.R., *see* Hudson, H.M. et al. 31
Deecke, L., *see* Huckabee, M.L. et al. (A) 102
Dessoffy, R., *see* Broniatowski, M. et al. 196
Diamant, N., *see* Martino, R. et al. 19
Diamant, N.E., *see* Martino, R. et al. (A) 105
Diamond, B., *see* Aviv, J.E. et al. 39
Dikeman, K., *see* Easterling, C. et al. (A) 105
Ding, R., Logemann, J.A.: Pneumonia in Stroke Patients: A Retrospective Study 51
Drinnan, M.J., *see* Leslie, P. et al. (A) 110

Easterling, C., Kern, M., Nitschke, T., Grande, B., Kazandijian, M., Dikeman, K., Massey, B.T., Shaker, R.: Restoration of Oral Feeding in 17 Tube Fed Patients by the Shaker Exercise (A) 105
Eisele, D.W.: Review of "Swallowing Intervention in Oncology" (BR) 49
Ekberg, O., *see* Bülow, M. et al. (A) 110
Ettema, S.L., *see* Perlman, A.L. et al. 89
Faucheux, N.M., *see* Daniels, S.K. et al. (A) 107
Ford, G.A., *see* Hirst, L.J. et al. (A) 104
Ford, G.A., *see* Hirst, L.J. et al. (A) 103
Ford, G.A., *see* Leslie, P. et al. (A) 110
Ford, G.A., *see* Leslie, P. et al. (A) 103
Foundas, A.L., *see* Daniels, S.K. (A) 104
Foundas, A.L., *see* Daniels, S.K. et al. (A) 107
Fraser, C., Hamdy, S., Rothwell, J., Thompson, D.G.: Sensory-Induced Reorganization in Healthy and Damaged Human Swallowing Motor Cortex Implications for Swallowing Therapy after Stroke (A) .. 102
Fraser, C., *see* Power, M. et al. (A) 102
Frazier, J.B., *see* Friedman, B. 153
Freidlin, R.Z., *see* Chi-Fishman, G. et al. (A) 106
Friedman, B., Frazier, J.B.: Deep Laryngeal Penetration as a Predictor of Aspiration 153
Fujimoto, M., Kawachi, H., Chinushi, N., Honma, S., Takakuwa, M., Kaizu, T., Ito, C.: Trial of Eating Functional Therapy at the Dental Center for Special Patients of Niigata Prefectural Dental Association (A) 243
Fuss, K., *see* Hutchins, B. et al. (A) 111
Gati, J.S., *see* Martin, R.E. et al. (A) 102
Gelfand, D.W., *see* Smith, D.F. et al. 176
Gibson, G.J., *see* Hirst, L.J. et al. (A) 104
Gibson, G.J., *see* Hirst, L.J. et al. (A) 103
Gisel, E.G., Alphonce, E., Ramsay, M.: Assessment of Ingestive and Oral Praxis Skills: Children with Cerebral Palsy vs. Controls 236
Gisel, E.G., Alphonce, E., Ramsay, M.: Growth Characteristics and Eating Skills of Children with Cerebral Palsy and Mild Eating Impairment (A) 112
Gisel, E.G., Schwartz, A., Petryk, A., Clarke, D., Haberfellner, H.: "Whole Body" Mobility After One Year of Intraoral Appliance Therapy in Children with Cerebral Palsy and Moderate Eating Impairment 226
Gisel, E.G., *see* Lambert, H.C. et al. (A) 105
Gonçalves, M.I., *see* Kendall, K.A. et al. 74
Gonçalves, M.I., *see* Leonard, R.J. et al. 146
Goodyear, B.G., *see* Martin, R.E. et al. (A) 102
Gould, H.J., *see* Huckabee, M.L. et al. (A) 102
Grahn, L.T., *see* Danbolt, C. et al. 191
Grande, B., *see* Easterling, C. et al. (A) 105
Grehan, M.J., *see* Williams, R.B. et al. (A) 109
Griffiths, C.J., *see* Leslie, P. et al. (A) 110
Groher, M.E., *see* Lambert, H.C. et al. (A) 105
Gromacki, L.A., *see* Lazarus, C.L. et al. (A) 104
Guida, M., Barberio, O., Lenzi, L.: Deglutition Handicap in Patients Affected by Stroke (A) 245
Gustafson, K., *see* Ryalls, J. et al. 169
Guthrie, A., Scott, L., Bailey, B.: The Upper Esophageal Sphincter in Gastroesophageal Reflux Disease (A) ... 110
Haavio, M.-L., Tervo, O.: Experiences of Orofacial Regulation Therapy in 47 Persons with Mental Retardation (A) 243
Haberfellner, H., *see* Gisel, E.G., et al. 226
Haishima, H., *see* Ishida, R. et al. (A) 244
Hakel, M., *see* Bellou Stahlman, L. et al. 2
Halley, P.J., *see* Cichero, J.A.Y. et al. 188
Hamdy, S., *see* Power, M. et al. (A) 102
Hamdy, S., *see* Fraser, C. et al. (A) 102
Hamdy, S., *see* Parker, C. et al. (A) 105
Hanaoka, S., *see* Hara, S. et al. (A) 244
Hara, S., Katagiri, C., Ohsaki, S., Kazashi, S., Iwayanagi, K., Kusama, Y., Shimoshige, C., Ohkubo, K., Hanaoka, S., Nakajima, K., Mizukami, M., Mukai, Y.: Improvement of Eating Function in Children with CP—Two Cases of Athetotic Type CP (A) 244
Haynes, R., *see* Martin-Harris, B. et al. (A) 107
Hegarty, J., *see* Pinnington, L. 213
Heikenen, J.B., Werlin, S.L.: Esophageal Biopsy Does Not Predict Clinical Outcome after Percutaneous Endoscopic Gastrostomy in Children 167
Heilig, C., *see* Martin-Harris, B. et al. (A) 107
Heintze, M., *see* Prosiegel, M. et al. 173
Heitmiller, R.F., Tseng, E., Jones, B.: Prevalence of Aspiration and Laryngeal Penetration in Patients with Unilateral Vocal Fold Motion Impairment 184
Hersch, M., *see* Williams, R.B. et al. (A) 109
Hiiemae, K.M., Palmer, J.B., Medicis, S.M.: Hyoid Behavior in Feeding and Speech: A VFG Study (A) ... 101
Hildner, C., *see* Chaudhuri, G. et al. (A) 106
Hildner, C., *see* Hutchins, B. et al. (A) 111
Hirst, L.J., Gibson, G.J., Ford, G.A., Wilson, J.A.: Breathing during Continuous Swallowing (A) 104
Hirst, L.J., Gibson, G.J., Ford, G.A., Wilson, J.A.: Direction of Airflow during Single Swallows (A) 103
Hiss, S.G., Treole, K., Stuart, A.: Swallowing Apnea Duration: Effect of Age, Gender, Bolus Volume, and Trials (A) 103
Hobson, A., *see* Power, M. et al. (A) 102
Hodgson, S., Taves, D.H., Coovadia, F., Danter, M.R., Miller, L.T., Lee, C.J., Martin, R.E.: Intrasubject Variability of Oropharyngeal Swallow in Healthy Older Adults (A) 107
Honma, S., *see* Fujimoto, M. et al. (A) 243
Hozumi, Y., *see* Togasawa, M. et al. (A) 243
Hsieh, Y.C., *see* Rademaker, A.W. et al. (A) 109
Huang, C.F., *see* Lazarus, C.L. et al. (A) 104
Huang, C.W., *see* Logemann, J.A. et al. (A) 106
Huckabee, M.L., Cannito, M.P., Gould, H.J., Deecke, L.: Pre-Motor Electrophysiologic Correlates of Volitional Swallowing: The Bereitschaftspotential (A) 102
Hudson, H.M., Daubert, C.R., Mills, R.H.: The Interdependency of Protein-Energy Malnutrition, Aging, and Dysphagia 31
Hult, P., *see* Danbolt, C. et al. 191
Hutchins, B., Hildner, C., Chaudhuri, G., Fuss, K.: Evaluation of Dysphagia and Health Status Outcomes Six Months Post-Inpatient Discharge (A) ... 111
Hutchins, B., *see* Chaudhuri, G. et al. (A) 106
Hwang, J.-N., *see* Chang, M.W. et al. 219
Igarashi, S., *see* Kawano, E. et al. (A) 245
Igari, K., *see* Togasawa, M. et al. (A) 243
Inoue, M., *see* Asari, J. et al. (A) 245
Ishida, R., Haishima, H., Ohtsuka, Y., Mukai, Y.: Kinetic Analysis of Tongue and Lip during Swallowing (A) 244
Ishida, R., Palmer, J.B.: Hyoid Motion during Swallowing: Forward Displacement Is Essential (A) 109

Ishidori, H., *see* Sato, M. et al. (A) 243
Ishikawa, T., *see* Sato, M. et al. (A) 243
Ito, C., *see* Fujimoto, M. et al. (A) 243
Iwayanagi, K., *see* Hara, S. et al. (A) 244
Jackson, O., *see* Cichero, J.A.Y. et al. 188
Jaffe, D.M., *see* McCulloch, T.M. et al. (A) 106
Jaffe, D.M., *see* Van Daele, D.J. et al. (A) 112
Jaffe, D.M., Van Daele, D.J., Rao, S.S.C., McCulloch, T.M.: Contribution of Cricopharyngeus Muscle Activity to Upper Esophageal Sphincter Manometry in the Normal Swallow and Mendelsohn Maneuver (A) 101
Jones, B., *see* Heitmiller, R.F. et al. 184
Jones, B., *see* Ravich, W. et al. (A) 103
Jones, B.: Comments: The Old and New Brigade, Passing on the Baton (E) 1
Kaizu, T., *see* Fujimoto, M. et al. (A) 243
Kaneko, Y., *see* Tamura, F. et al. 204
Kaneko, Y.: Rehabilitation for Eating Problems: Feeding Training for Disabled Infants with Dysphagia (A) ... 242
Kaplan, S.T., *see* Aviv, J.E. et al. 39
Katagiri, C., *see* Hara, S. et al. (A) 244
Kavrie, S., Weekley, P.: Swallowing Impairment Associated with Acquired Supranuclear Occular Motor Paresis (A) 111
Kawachi, H., *see* Fujimoto, M. et al. (A) 243
Kawano, E., Suzuki, T., Igarashi, S., Okumura, K., Nishino, C.: Relationship between Severity of Handicaps and Eating Disorders at a Facility for the Handicapped (A) 245
Kazandijian, M., *see* Easterling, C. et al. (A) 105
Kazashi, S., *see* Hara, S. et al. (A) 244
Keckley, C., *see* Newman, L. et al. (A) 107
Keeley, S.P., *see* Logemann, J.A., et al. 180
Kendall, K.A., McKenzie, S., Leonard, R.J., Gonçalves, M.I., Walker, A.: Timing of Events in Normal Swallowing: A Videofluoroscopic Study 74
Kendall, K.A., *see* Leonard, R.J. et al. 146
Kern, M., *see* Easterling, C. et al. (A) 105
Kinumatsu, Y., Michiwaki, Y., Yokoyama, M., Michi, K., Ohgoshi, H., Takahashi, T.: A Study on Jaw Movement during Mastication (A) 111
Kinumatsu, Y., *see* Michiwaki, Y. et al. (A) 108
Kinumatsu, Y., *see* Yokoyama, M. et al. (A) 111
Knox, J., *see* Rehman, H.U. (L) 48
Koerner, C.B., *see* Lefton-Greif, M.A. et al. (A) 112
Kozai, K., *see* Sato, M. et al. (A) 243
Kramer, A.E., *see* McHorney, C.A. et al. 122
Kramer, A.E., *see* McHorney, C.A. et al. 115
Kurihara, S., *see* Murakami, T. et al. (A) 244
Kusama, Y., *see* Hara, S. et al. (A) 244
Kyono, T., *see* Uematsu, H. et al. (A) 244
Lambert, H.C., Gisel, E.G., Groher, M.E., Wood-Dauphinée, S.: The McGill Ingestive Skills Assessment: A Pilot Study (A) 105
Langmore, S.E.: An Important Tool for Measuring Quality of Life (E) 134
Lau, C.: Review of "Pediatric Videofluoroscopic Swallow Studies. A Professional Manual with Caregiver Guidelines" (BR) 95
Lazarus, C.L., Logemann, J.A., Huang, C.F., Rademaker, A.W., Gromacki, L.A.: Effects of Tongue Strengthening Exercises on Tongue Strength and Endurance in Healthy Young Individuals (A) 104
Lazarus, C.L., *see* Logemann, J.A., et al. 180
Leder, S.B., Sasaki, C.T., Burrell, M.I.: A Comment on "Incidence and Patient Characteristics Associated with Silent Aspiration in the Acute Care Setting" (*Dysphagia 14:*1–7, 1999) (L) 183
Leder, S.B., *see* Sasaki, C.T. (S) 45
Leder, S.B., *see* Sasaki, C.T. (S) 96
Leder, S.B., *see* Sasaki, C.T. (S) 170
Leder, S.B., *see* Sasaki, C.T. 201
Leder, S.B.: Use of Arterial Oxygen Saturation, Heart Rate, and Blood Pressure as Indirect Physiologic Markers to Predict Aspiration (A) 110
Leder, S.B.: Use of Arterial Oxygen Saturation, Heart Rate, and Blood Pressure as Indirect Objective Physiologic Markers to Predict Aspiration 201
Lederman, H.M., *see* Lefton-Greif, M.A., et al. (A) ... 112
Lee, C.J., *see* Hodgson, S. et al. (A) 107
Lefton-Greif, M.A., Crawford, T.O., Winkelstein, J.A., Loughlin, G.M., Koerner, C.B., Zahurak, M., Lederman, H.M.: Oropharyngeal Dysphagia and Aspiration in Patients with Ataxia-Telangiectasia (A) 112
Lenzi, L., *see* Guida, M. et al. (A) 245
Leonard, R.J., Kendall, K.A., McKenzie, S., Gonçalves, M.I., Walker, A.: Structural Displacements in Normal Swallowing: A Videofluoroscopic Study 146
Leonard, R.J., *see* Kendall, K.A. et al. 74
Leslie, P., Drinnan, M.J., Ford, G.A., Griffiths, C.J., Wilson, J.A.: Respiratory Indicators Assessment of Dysphagia (RIAD): Development of a Portable System (A) 110
Leslie, P., Ford, G.A., Wilson, J.A.: The Influence of Bolus Variables on Deglutition Apnoea (A) 103
Lin, E., *see* Chang, M.W. et al. 219
Litvan, I., *see* Frattali, C.M. et al. 165
Lobeck, M., *see* Pinnington, L.L. et al. 6
Logemann, J.A., Lazarus, C.L., Keeley, S.P., Sanchez, A., Rademaker, A.W.: Effectiveness of Four Hours of Education in Interpretation of Radiographic Studies 180
Logemann, J.A., *see* Ding, R. 51
Logemann, J.A., *see* Lazarus, C.L. et al. (A) 104
Logemann, J.A., *see* Martin-Harris, B. et al. 136
Logemann, J.A., *see* McHorney, C.A. et al. 115
Logemann, J.A., *see* Rademaker, A.W. et al. (A) 109
Logemann, J.A., *see* Veis, S. et al. 142
Logemann, J.A., Veis, S., Rademaker, A.W., Huang, C.W.: Early Recovery of Swallow Post-CVA (A) 106
Logemann, J.A.: Do We Know What Is Normal and Abnormal Airway Protection? (E) 233
Loughlin, G.M., *see* Lefton-Greif, M.A. et al. (A) 112
Mabel, L., *see* Newman, L. et al. (A) 107
Mahoney, M.C., *see* Daniels, S.K. et al. (A) 107
Makhlouf, F.T., *see* Chi-Fishman, G. et al. (A) 104
Maniwa, Y., *see* Uematsu, H. et al. (A) 244
Martin, R.E., Goodyear, B.G., Gati, J.S. Menon, R.S.: Cerebral Cortical Representation of Automatic and Voluntary Swallowing in Humans: A fMRI Study (A) 102
Martin, R.E., *see* Chen, Y. et al. (A) 108
Martin, R.E., *see* Hodgson, S. et al. (A) 107
Martin-Harris, B., Logemann, J.A., McMahon, S., Schleicher, M., Sandidge, J.: Clinical Utility of the Modified Barium Swallow 136
Martin-Harris, B., Sandidge, J., Heilig, C., McConnel,

F.M.S., Stoeckli, S., Haynes, R., Cornwell, M.: The Relationship between Respiratory and Laryngeal Dynamics during Swallow (A) 107
Martino, R., Pron, G., Diamant, N.: Screening for Oropharyngeal Dysphagia in Stroke: Insufficient Evidence for Guidelines 19
Martin, R., Pron, G., Diamant, N.E.: Oropharyngeal Dysphagia: Reported Assessment Practice Patterns of Speech-Language Pathologists (A) 105
Massey, B.T., *see* Easterling, C. et al. (A) 105
Mayanagi, H., *see* Togasawa, M. et al. (A) 243
McConnel, F.M.S., *see* Martin-Harris, B. et al. (A) 107
McCulloch, T.M., *see* Jaffe, D.M. et al. (A) 101
McCulloch, T.M., *see* Van Daele, D.J. et al. (A) 112
McCulloch, T.M., Van Daele, D.J., Jaffe, D.M., Rao, S.S.C.: Contribution of the Floor of Mouth Musculature to Upper Esophageal Sphincter Function (A) .. 106
McCullough, G.H., Wertz, R.T., Rosenbek, J.C., Mills, R.H., Ross, K.B., Ashford, J.R.: Inter- and Intrajudge Reliability of a Clinical Examination of Swallowing in Adults 58
McCullough, G.H., Wertz, R.T., Rosenbek, J.C., Mills, R.H.: Inter- and Intra-Judge Reliability of a Clinical/Bedside Examination of Swallowing in Adults (A) .. 113
McGuirt, W.F., *see* Smith, D.F. et al. 176
McHorney, C.A., Bricker, D.E., Kramer, A.E., Rosenbek, J.C., Robbins, J., Chignell, K.A., Logemann, J.A., Clarke, C.: The SWAL-QOL Outcomes Tool for Oropharyngeal Dysphagia in Adults: I. Conceptual Foundation and Item Development 115
McHorney, C.A., Bricker, D.E., Robbins, J., Kramer, A.E., Rosenbek, J.C., Chignell, K.A.: The SWAL-QOL Outcomes Tool for Oropharyngeal Dysphagia in Adults: II. Item Reduction and Preliminary Scaling 122
McKenzie, S., *see* Kendall, K.A. et al. 74
McKenzie, S., *see* Leonard, R.J. et al. 146
McMahon, S., *see* Martin-Harris, B. et al. 136
Medicis, S.M., *see* Hiiemae, K.M. et al. (A) 101
Menon, R.S., *see* Martin, R.E. et al. (A) 102
Mertz Garcia, J., *see* Ballou Stahlman, L. et al. 2
Michi, K., *see* Kinumatsu, Y. et al. (A) 111
Michi, K., *see* Michiwaki, Y. et al. (A) 108
Michi, K., *see* Yokoyama, M. et al. (A) 111
Michiwaki, Y., *see* Kinumatsu, Y. et al. (A) 111
Michiwaki, Y., *see* Yokoyama, M. et al. (A) 111
Michiwaki, Y., Yokoyama, M., Kinumatsu, Y., Michi, K.: Development of an Equipment Using LED for Detecting Aspiration—An Experimental Study (A) .. 108
Miller, J.L., Sonies, B.C.: Ultrasonic Tissue Characterization of the Human Tongue: Regional Differences in Histomorphology (A) 109
Miller, L.T., *see* Hodgson, S. et al. (A) 107
Mills, R.H., *see* Hudson, H.M. et al. 31
Mills, R.H., *see* McCullough, G.H. et al. 58
Mills, R.H., *see* McCullough, G.H. et al. (A) 113
Miura, K., *see* Sato, M. et al. (A) 243
Mizukami, M., *see* Hara, S. et al. (A) 244
Moskovitz, M., *see* Shapira, J. et al. (A) 244
Muhiddin, K.A., *see* Pinnington, L.L. et al. 6
Mukai, Y., *see* Asari, J. et al. (A) 245
Mukai, Y., *see* Hara, S. et al. (A) 244
Mukai, Y., *see* Ishida, R. et al. (A) 244
Mukai, Y., *see* Nomoto, T. et al. (A) 243
Mukai, Y., *see* Tamura, F. (A) 244
Mukai, Y., *see* Tamura, F. et al. 204
Murakami, T., Arita, S., Kurihara, S., Takagi, A., Osada, Y.: Study of Dental Health Mangement and Promotion of Rehabilitation of Eating Dysfunction in Institutions for the Severely Disabled (A) 244
Murdoch, B.E., *see* Cichero, J.A.Y. et al. 188
Murry, T., Carrau, R.L., Wasserman, T.: Diagnostic Decision-Making of Swallowing Disorders in an Outpatient Population (A) 112
Nagasaka, N., *see* Sato, M. et al. (A) 243
Nakajima, K., *see* Hara, S. et al. (A) 244
Nakayama, H., *see* Nomoto, T. et al. (A) 243
Neumann, S., *see* Buchholz, D.W. (S) 184
Neumann, S., *see* Buchholz, D.W. (S) 237
Neumann, S., *see* Ravich, W. et al. (A) 103
Newman, L., Mabel, L., Keckley, C., Petersen, M.: The Relationship between Dysphagia and Unresponsive Asthma in the Pediatric Population (A) 107
Nii, N., *see* Sato, M. et al. (A) 243
Nishino, C., *see* Kawano, E. et al. (A) 245
Nitschke, T., *see* Easterling, C. et al. (A) 105
Nomoto, T., Nakayama, H., Mukai, Y., Uehara, S.: Characteristics of Unskillful Feeding Behavior in Mental Retarded Children and the Training Effect (A) 243
Ochiai, J., *see* Asari, J. et al. (A) 245
Ohazama, C.J., *see* Chi-Fishman, G. et al. (A) 106
Ohgoshi, H., *see* Kinumatsu, Y. et al. (A) 111
Ohkubo, K., *see* Hara, S. et al. (A) 244
Öhrn, R., Angmar-Mänsson, B.: Oral Status of 81 Subjects with Eating Disorders Compared with 52 Healthy Volunteers (A) 245
Ohsaki, S., *see* Hara, S. et al. (A) 244
Ohtsuka, Y., *see* Ishida, R. et al. (A) 244
Okumura, K., *see* Kawano, E. et al. (A) 245
Olsson, R., *see* Bülow, M. et al. (A) 110
Osada, Y., *see* Murakami, T. et al. (A) 244
Ott, D.J., *see* Smith, D.F. et al. 176
Ozawa, M., *see* Yokoyama, M. et al. (A) 111
Palmer, J.B., *see* Hiiemae, K.M. et al. (A) 101
Palmer, J.B., *see* Ishida, R. (A) 109
Parker, C., Power, M., Hamdy, S., Tyrrell, P., Bowen, A., Thompson, D.G.: Does Patient Insight into Swallowing Dysfunction following Stroke Help Predict Outcome? (A) 105
Pauloski, B.R., *see* Rademaker, A.W. et al. (A) 109
Pearce, V.R., *see* Pinnington, L.L. et al. 6
Pelsang, R.E., *see* Van Daele, D.J. et al. (A) 112
Perlman, A.L., Ettema, S.L, Barkmeier, J.: Respiratory and Acoustic Signals Associated with Bolus Passage during Swallowing 89
Petersen, M., *see* Newman, L. et al. (A) 107
Petrelli, N.J., *see* Cui, Y. et al. (A) 113
Petryk, A., *see* Gisel, E.G., et al. 226
Pinnington, L., Hegarty, J.: Effects of Consistent Food Presentation on Oral-Motor Skill Acquisition in Children with Severe Neurological Impairment 213
Pinnington, L.L., Muhiddin, K.A., Lobeck, M., Pearce, V.R.: Interrater and Intrarater Reliability of the Exeter Dysphagia Assessment Technique Applied to Healthy Elderly Adults 6

Power, M., Hamdy, S., Rothwell, J., Fraser, C., Hobson, A., Thompson, D.G.: Electrical Stimulation of the Anterior Faucial Pillar Suppresses Pharyngeal Excitability in the Swallowing Motor Cortex (A) 102
Power, M., *see* Parker, C. et al. (A) 105
Preistly, D.H., *see* Daniels, S.K. et al. (A) 107
Pron, G., *see* Martino, R. et al. 19
Pron, G., *see* Martino, R. et al. (A) 105
Prosiegel, M., Heintze, M., Wagner-Sonntag, E., Schenk, T., Yassouridas, A.: Kinematic Analysis of Laryngeal Movements in Patients with Neurogenic Dysphagia before and after Swallowing Rehabilitation 173
Rademaker, A.W., Logemann, J.A., Pauloski, B.R., Smith, C.H., Hsieh, Y.C.: Differences in Normal Adult Swallowing by Bolus Type (A) 109
Rademaker, A.W., *see* Logemann, J.A., et al. 180
Rademaker, A.W., *see* Lazarus, C.L. et al. (A) 104
Rademaker, A.W., *see* Logemann, J.A. et al. (A) 106
Ramsay, M., *see* Gisel, E.G. et al. (A) 112
Ramsay, M., *see* Gisel, E.G., et al. 236
Rao, S.S.C., *see* Jaffe, D.M. et al. (A) 101
Rao, S.S.C., *see* McCulloch, T.M. et al. (A) 106
Rao, S.S.C., *see* Van Daele, D.J. et al. (A) 112
Ravich, W., Neumann, S., Jones, B.: Dilatation as Treatment of Pharyngo-Esophageal Segment (PES) Prominence with Hypo-Pharyngeal (Zenker's) Diverticulum (A) 103
Rehman, H.U., Knox, J.: There is a Need for a Regular Review of Swallowing Ability in Patients after PEG Insertion to Identify Patients with Delayed Recovery of Swallowing (L) 48
Richards, J., *see* Warms, T. 84
Robbins, J., Coyle, J., Rosenbeck, J., Roecker, E., Wood, J.: Differentiation of Normal and Abnormal Airway Protection during Swallowing Using the Penetration-Aspiration Scale 228
Robbins, J., *see* McHorney, C.A. et al. 115
Robbins, J., *see* McHorney, C.A. et al. 122
Robbins, J.: Dysphagia Research Society 1998 (MR) ... 188
Roecker, E., *see* Robbins, J. et al. 228
Rosenbek, J., *see* Robbins, J. et al. 228
Rosenbek, J.C., *see* McCullough, G.H. et al. 58
Rosenbek, J.C., *see* McCullough, G.H. et al. (A) 113
Rosenbek, J.C., *see* McHorney, C.A. et al. 115
Rosenbek, J.C., *see* McHorney, C.A. et al. 122
Ross, K.B., *see* McCullough, G.H. et al. 58
Rothwell, J., *see* Fraser, C. et al. (A) 102
Rothwell, J., *see* Power, M. et al. (A) 102
Russell, A., *see* Scholten, I. 10
Ryalls, J., Gustafson, K., Santini, C.: Preliminary Investigation of Voice Onset Time Production in Persons with Dysphagia 169
Saito, T., *see* Togasawa, M. et al. (A) 243
Saitoh, E.: Rehabilitation of Eating Problems in Elderly (A) 242
Sakai, N., *see* Uematsu, H. et al. (A) 244
Salassa, J.R., *see* Bammer, T. et al. (A) 113
Sanchez, A., *see* Logemann, J.A., et al. 180
Sandidge, J., *see* Martin-Harris, B. et al. (A) 107
Sandidge, J., *see* Martin-Harris, B. et al. 136
Santini, C., *see* Ryalls, J. et al. 169
Sasa, R., *see* Asari, J. et al. (A) 245
Sasaki, C.T., A Comment on "Prevalence of Aspiration and Laryngeal Penetration in Patients with Unilateral Vocal Fold Motion Impairment" (*Dysphagia 15:*184–187, 2000) (L) 247
Sasaki, C.T., Leder, S.B.: Comments on Selected Recent Dysphagia Literature (S) 45
Sasaki, C.T., Leder, S.B.: Comments on Selected Recent Dysphagia Literature (S) 96
Sasaki, C.T., Leder, S.B.: Comments on Selected Recent Dysphagia Literature (S) 170
Sasaki, C.T., Leder, S.B.: Comments on Selected Dysphagia Literature (S) 245
Sasaki, C.T., *see* Leder, S.B. et al. (L) 183
Sato, M., Amano, H., Nii, N., Ishidori, H., Ishikawa, T., Kozai, K., Miura, K., Nagasaka, N.: Clinical Training of Oral Feeding for Severe Handicapped Patients in Fukuyama-Wakakusa-En in Hiroshima Prefecture (A) 243
Schenk, T., *see* Prosiegel, M. et al. 173
Schleicher, M., *see* Martin-Harris, B. et al. 136
Scholten, I., Russell, A.: Learning about the Dynamic Swallowing Process Using an Interactive Multimedia Program 10
Scholten, I.: Student Learning of Essential Aspects of the Swallowing Process (A) 113
Schwartz, S., *see* Gisel, E.G., et al. 226
Scott, L., *see* Guthrie, A. et al. (A) 110
Sellars, C., Campbell, A.M., Stott, D.J., Stewart, M., Wilson, J.A.: Swallowing Abnormalities after Acute Stroke: A Case Control Study 212
Shahriari, S., *see* Bammer, T. et al. (A) 113
Shaker, R., *see* Easterling, C. et al. (A) 105
Shapira, J., Becker, A., Moskovitz, M.: Drooling and Speech Problems in Children with Neurological Dysfunction: Review and Treatment Approaches (A) .. 244
Shields, R.W., *see* Broniatowski, M. et al. 196
Shimoshige, C., *see* Hara, S. et al. (A) 244
Shishikura, J., *see* Tamura, F. et al. 204
Smith, C.H., *see* Rademaker, A.W. et al. (A) 109
Smith, D.F., Ott, D.J., McGuirt, W.F., Albertson, D.A., Chen, M.Y.M., Gelfand, D.W.: Free Jejunal Grafts of the Pharynx: Surgical Methods, Complications, and Radiographic Evaluation 176
Sonies, B.C., *see* Chi-Fishman, G. et al. (A) 104
Sonies, B.C., *see* Chi-Fishman, G. et al. (A) 106
Sonies, B.C., *see* Frattali, C.M. et al. 165
Sonies, B.C., *see* Miller, J.L. (A) 109
Sonies, B.C.: Review of "Medical Speech-Language Pathology" (BR) 235
Spitzer, J., *see* Aviv, J.E. et al. 39
Stewart, M., *see* Sellars, C. et al. 212
Stoeckli, S., *see* Martin-Harris, B. et al. (A) 107
Stott, D.J., *see* Sellars, C. et al. 212
Strome, M., *see* Broniatowski, M. et al. 196
Stuart, A., *see* Hiss, S.G. et al. (A) 103
Suzuki, T., *see* Kawano, E. et al. (A) 245
Takagi, A., *see* Murakami, T. et al. (A) 244
Takahashi, T., *see* Kinumatsu, Y. et al. (A) 111
Takakuwa, M., *see* Fujimoto, M. et al. (A) 243
Tamura, F., Mukai, Y.: The Effect of Oral Feeding for Elderly People with Dysphagia: A Case Report—The Changes of the Hemoglobin Oxygen Saturation Level and Pulse Rates (A) 244

Tamura, F., Shishikura, J., Mukai, Y., Kaneko, Y.: Arterial Oxygen Saturation in Severely Disabled People: Effect of Oral Feeding in the Sitting Position 204
Taves, D.H., *see* Chen, Y. et al. (A) 108
Taves, D.H., *see* Hodgson, S. et al. (A) 107
Tervo, O., *see* Haavio, M.-L. (A) 243
Thompson, D.G., *see* Fraser, C. et al. (A) 102
Thompson, D.G., *see* Parker, C. et al. (A) 105
Thompson, D.G., *see* Power, M. et al. (A) 102
Thomson, J.E., *see* Aviv, J.E. et al. 39
Togasawa, M., Hozumi, Y., Igari, K., Saito, T., Mayanagi, H.: Electromyographic Analysis of Orbicularis Oris Muscle and Muscles of Mastication during Swallowing in the Patients with Down's Syndrome (A) 243
Treole, K., *see* Hiss, S.G. et al. (A) 103
Tseng, E., *see* Jones, B. et al. 184
Tsukamoto, Y.: CT Study of Closure of the Hemipharynx with Head Rotation in a Case of Lateral Medullary Syndrome 17
Tyrrell, P., *see* Parker, C. et al. (A) 105
Uehara, S., *see* Nomoto, T. et al. (A) 243
Uematsu, H., Maniwa, Y., Kyono, T., Umezaki, N., Sakai, N.: A Study of Oral Tactile Sense in Apoplectic Patients with Hemiplegia (A) 244
Umezaki, N., *see* Uematsu, H. et al. (A) 244
Urschel, J.D., *see* Cui, Y. et al. (A) 113
Van Daele, D.J., Jaffe, D.M., Pelsang, R.E., Rao, S.S.C., McCulloch, T.M.: Simultaneous Manometric, Electromyographic, and Videofluoroscopic Examination of Upper Esophageal Sphincter Opening (A) 112
Van Daele, D.J., *see* Jaffe, D.M. et al. (A) 101
Van Daele, D.J., *see* McCulloch, T.M. et al. (A) 106
Veis, S., *see* Logemann, J.A. et al. (A) 106
Veis, S., Logemann, J.A. Colangelo, L.: Effects of Three Techniques on Maximum Posterior Movement of the Tongue Base 142
Wagner-Sonntag, E., *see* Prosiegel, M. et al. 173
Walker, A., *see* Kendall, K.A. et al. 74
Walker, S., *see* Leonard, R.J. et al. 146
Warms, T., Richards, J.: "Wet Voice" as a Predictor of Penetration and Aspiration in Oropharyngeal Dysphagia 84
Wasserman, T., *see* Murry, T. et al. (A) 112
Weekley, P., *see* Kavrie, S. (A) 111
Werlin, S.L., *see* Heikenen, J.B. 167
Wertsén, M., Ålander, A.: Oral Dysphagia: Training of Oral Motor Function Using Palatal Appliances and/or Mouth Shields (A) 243
Wertz, R.T., *see* McCullough, G.H. et al. 58
Wertz, R.T., *see* McCullough, G.H. et al. (A) 113
Williams, R.B., André, J., Grehan, M.J., Hersch, M., Cook, I.J.: Biomechanical Evidence for Restrictive UES Opening Disorder in Patients with Inflammatory Myopathy (A) 109
Wilson, J.A., *see* Hirst, L.J. et al. (A) 103
Wilson, J.A., *see* Hirst, L.J. et al. (A) 104
Wilson, J.A., *see* Leslie, P. et al. (A) 103
Wilson, J.A., *see* Leslie, P. et al. (A) 110
Wilson, J.A., *see* Sellars, C. et al. 212
Winkelstein, J.A., *see* Lefton-Greif, M.A. et al. (A) ... 112
Wolf, E., *see* Abraham, S. 206
Wood, J., *see* Robbins, J. et al. 228
Wood-Dauphinée, S., *see* Lambert, H.C. et al. (A) 105
Yassouridas, A., *see* Prosiegel, M. et al. 173
Yokoyama, M., Michiwaki, Y., Ozawa, M., Kinumatsu, Y., Michi, K.: Evaluation of Tongue Pressures during Normal Swallow (A) 111
Yokoyama, M., *see* Kinumatsu, Y. et al. (A) 111
Yokoyama, M., *see* Michiwaki, Y. et al. (A) 108
Zahurak, M., *see* Lefton-Greif, M.A. et al. (A) 112